

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P962013

Luminaire Tested: **NVN-SB2B-760-U-RW**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P962013  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: NVN-SB2B-760-U-RW  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 5700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 12574.7 lumens  
Efficiency: N/A  
Efficacy: 170.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



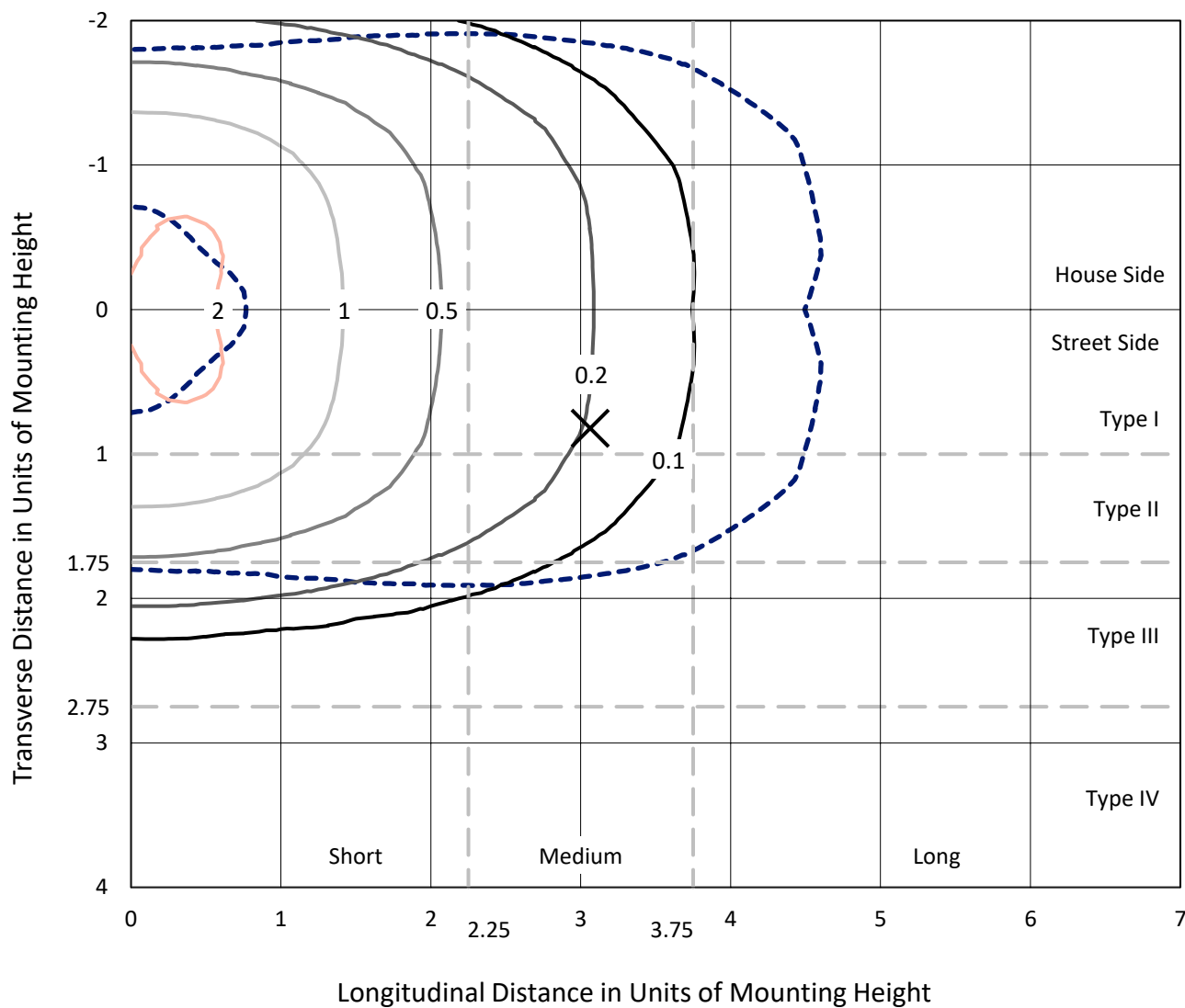
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

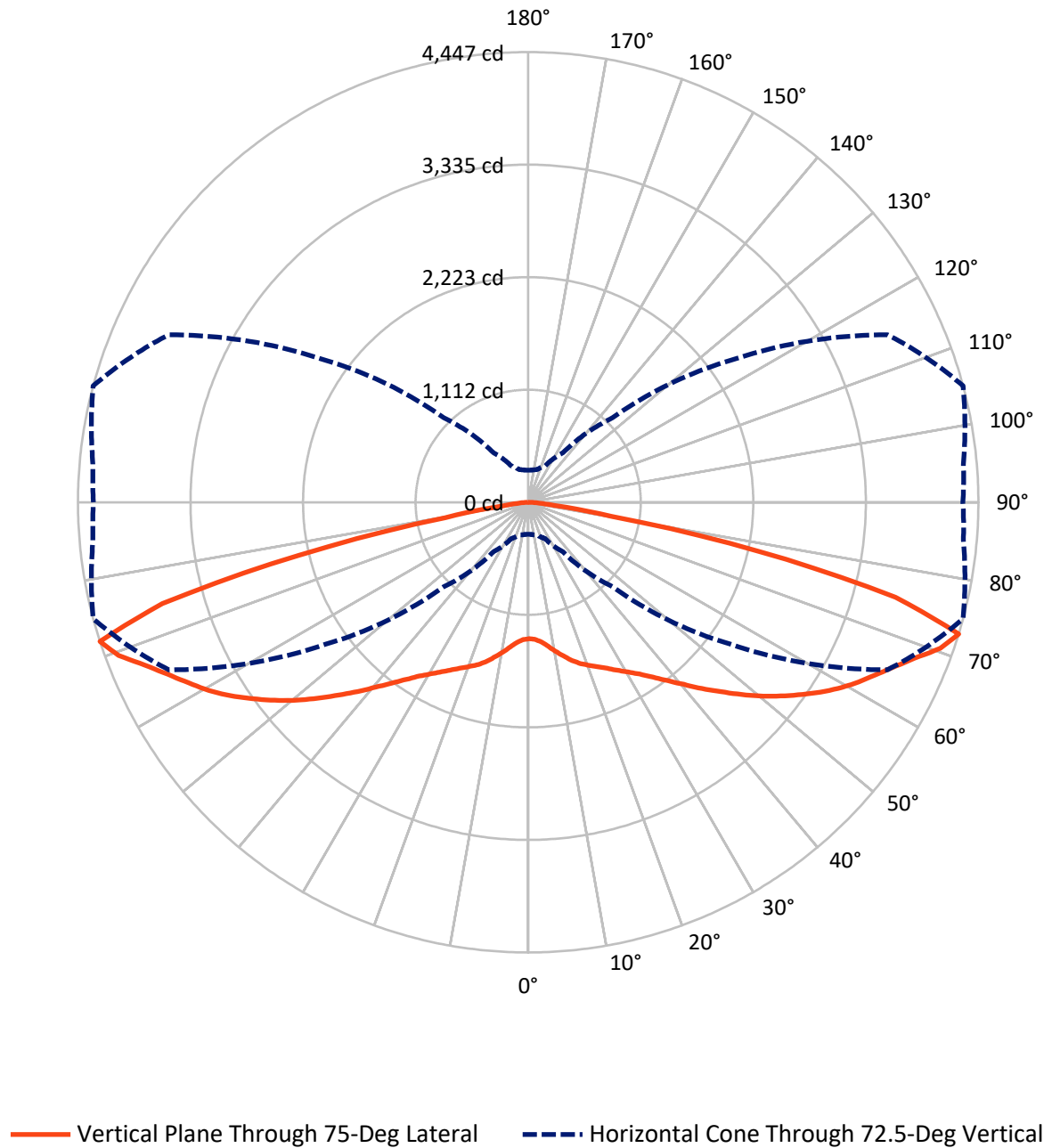


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc  
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6287.4   | 0.0    | 6287.4  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 6287.4   | 0.0    | 6287.4  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 12574.7  | 0.0    | 12574.7 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 131.9   | 1.0       |
| 10°-20°   | 435.2   | 3.5       |
| 20°-30°   | 840.9   | 6.7       |
| 30°-40°   | 1419.9  | 11.3      |
| 40°-50°   | 2251.9  | 17.9      |
| 50°-60°   | 3015.0  | 24.0      |
| 60°-70°   | 2869.3  | 22.8      |
| 70°-80°   | 1497.3  | 11.9      |
| 80°-90°   | 113.3   | 0.9       |
| 90°-100°  | 0.0     | 0.0       |
| 100°-110° | 0.0     | 0.0       |
| 110°-120° | 0.0     | 0.0       |
| 120°-130° | 0.0     | 0.0       |
| 130°-140° | 0.0     | 0.0       |
| 140°-150° | 0.0     | 0.0       |
| 150°-160° | 0.0     | 0.0       |
| 160°-170° | 0.0     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-90°    | 12574.7 | 100.0     |
| 0°-180°   | 12574.7 | 100.0     |

**Coefficient of Utilization**



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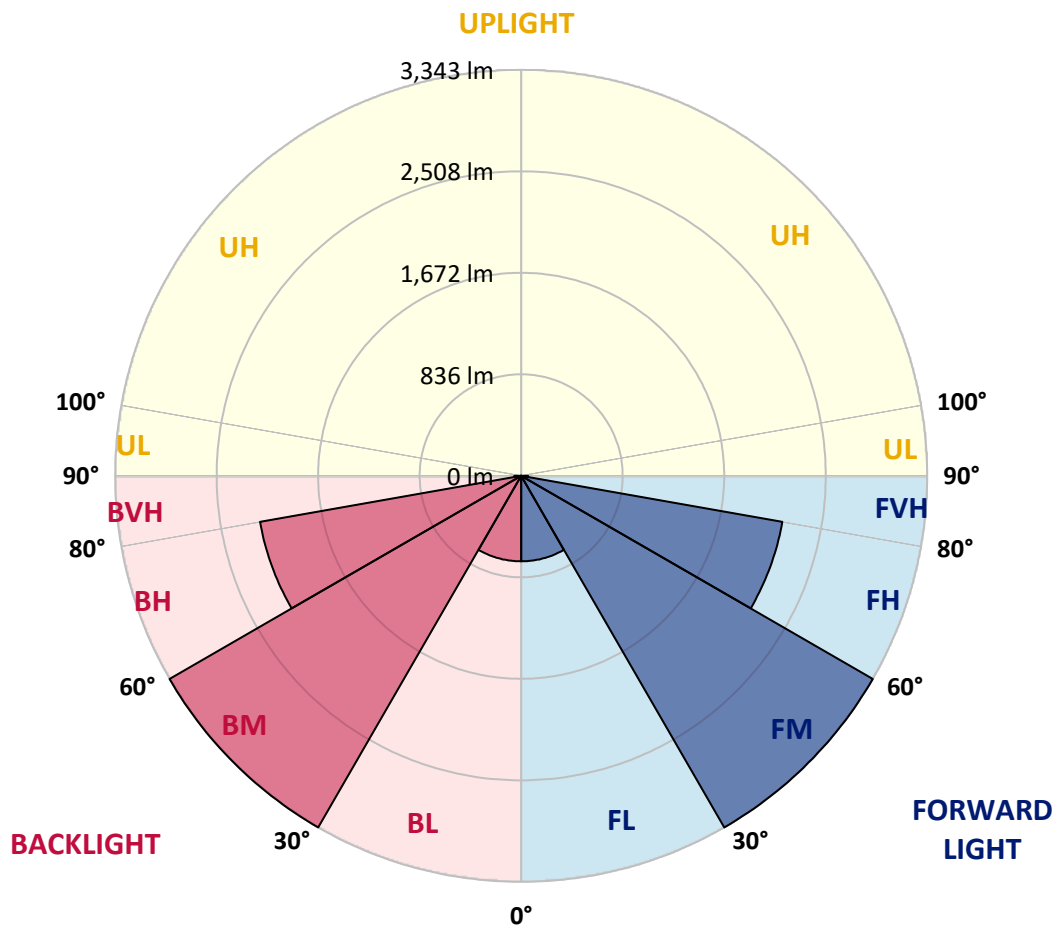
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 704.0  | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 3343.4 | 26.6      |                         |      |         |
| FH   | (60°-80°)   | 2183.3 | 17.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 56.7   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 704.0  | 5.6       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 3343.4 | 26.6      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2183.3 | 17.4      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 56.7   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1347.0 | 1347.0 | 1347.0 | 1347.0 | 1347.0 | 1347.0 | 1347.0 | 1347.0 | 1347.0 | 1347.0 | 1347.0 |
| 2.5°  | 1347.0 | 1345.7 | 1347.0 | 1348.3 | 1347.6 | 1347.6 | 1350.8 | 1352.8 | 1356.6 | 1356.0 | 1355.4 |
| 5°    | 1338.0 | 1337.3 | 1342.4 | 1348.3 | 1352.8 | 1360.5 | 1370.1 | 1377.2 | 1386.1 | 1388.1 | 1388.1 |
| 7.5°  | 1333.5 | 1331.6 | 1340.6 | 1350.8 | 1365.0 | 1384.3 | 1402.8 | 1422.1 | 1437.5 | 1442.7 | 1443.9 |
| 10°   | 1336.7 | 1337.3 | 1349.5 | 1368.8 | 1391.2 | 1418.2 | 1444.5 | 1477.3 | 1499.2 | 1504.3 | 1509.4 |
| 12.5° | 1351.5 | 1350.2 | 1370.7 | 1401.6 | 1432.3 | 1466.4 | 1497.2 | 1533.2 | 1556.9 | 1569.1 | 1574.3 |
| 15°   | 1378.4 | 1375.9 | 1404.8 | 1450.4 | 1495.3 | 1535.0 | 1560.2 | 1594.2 | 1621.8 | 1637.1 | 1643.0 |
| 17.5° | 1410.5 | 1411.8 | 1449.7 | 1508.8 | 1567.8 | 1612.7 | 1636.5 | 1653.8 | 1675.1 | 1688.6 | 1694.9 |
| 20°   | 1467.1 | 1469.6 | 1512.0 | 1582.0 | 1649.3 | 1700.8 | 1720.0 | 1713.6 | 1719.3 | 1729.6 | 1737.4 |
| 22.5° | 1542.8 | 1544.1 | 1591.6 | 1667.4 | 1738.0 | 1794.5 | 1807.3 | 1780.9 | 1764.9 | 1772.0 | 1777.1 |
| 25°   | 1630.8 | 1639.1 | 1686.6 | 1764.3 | 1836.8 | 1890.8 | 1896.6 | 1856.8 | 1816.9 | 1818.9 | 1822.0 |
| 27.5° | 1738.0 | 1745.7 | 1793.9 | 1870.8 | 1944.7 | 1991.6 | 1991.0 | 1937.7 | 1879.2 | 1864.5 | 1869.0 |
| 30°   | 1854.2 | 1862.5 | 1911.9 | 1991.6 | 2060.2 | 2101.4 | 2092.3 | 2028.8 | 1945.3 | 1917.8 | 1921.0 |
| 32.5° | 1992.2 | 1997.3 | 2047.4 | 2127.1 | 2190.6 | 2223.3 | 2204.8 | 2126.4 | 2022.4 | 1991.0 | 1998.6 |
| 35°   | 2159.2 | 2166.8 | 2204.1 | 2279.2 | 2335.1 | 2362.0 | 2330.5 | 2238.1 | 2121.2 | 2086.0 | 2091.1 |
| 37.5° | 2349.8 | 2344.7 | 2387.0 | 2453.8 | 2500.1 | 2516.8 | 2473.7 | 2364.0 | 2234.3 | 2192.6 | 2200.3 |
| 40°   | 2548.9 | 2546.3 | 2592.5 | 2656.7 | 2681.7 | 2692.1 | 2628.5 | 2508.4 | 2364.6 | 2319.7 | 2334.4 |
| 42.5° | 2729.3 | 2727.3 | 2789.6 | 2860.9 | 2891.0 | 2879.5 | 2799.3 | 2661.8 | 2515.5 | 2464.1 | 2476.9 |
| 45°   | 2873.7 | 2871.1 | 2947.6 | 3047.7 | 3106.8 | 3087.5 | 2979.7 | 2831.4 | 2668.3 | 2615.0 | 2627.2 |
| 47.5° | 2984.8 | 2986.0 | 3068.2 | 3192.2 | 3295.6 | 3302.6 | 3163.9 | 3004.1 | 2836.5 | 2776.1 | 2794.1 |
| 50°   | 3065.1 | 3068.8 | 3156.9 | 3294.2 | 3435.5 | 3497.8 | 3352.1 | 3181.3 | 3010.4 | 2942.4 | 2963.0 |
| 52.5° | 3084.9 | 3092.0 | 3197.9 | 3359.1 | 3525.4 | 3644.2 | 3543.3 | 3351.3 | 3175.4 | 3110.7 | 3127.3 |
| 55°   | 2979.1 | 2993.1 | 3127.3 | 3354.0 | 3580.6 | 3740.4 | 3711.5 | 3524.1 | 3341.8 | 3275.0 | 3293.6 |
| 57.5° | 2735.7 | 2755.6 | 2912.2 | 3208.2 | 3568.4 | 3806.5 | 3841.9 | 3689.7 | 3508.1 | 3443.8 | 3458.7 |
| 60°   | 2394.8 | 2418.5 | 2568.8 | 2891.7 | 3396.3 | 3830.9 | 3933.7 | 3850.9 | 3660.9 | 3598.6 | 3612.1 |
| 62.5° | 1880.5 | 1911.3 | 2091.1 | 2469.8 | 3033.0 | 3717.4 | 4012.1 | 3996.6 | 3798.2 | 3720.5 | 3729.6 |
| 65°   | 1206.3 | 1239.1 | 1428.5 | 1876.1 | 2548.3 | 3369.4 | 4036.4 | 4138.5 | 3943.4 | 3834.8 | 3848.4 |
| 67.5° | 727.4  | 742.2  | 835.9  | 1137.0 | 1862.5 | 2844.8 | 3829.7 | 4295.8 | 4112.8 | 3978.0 | 3988.3 |
| 70°   | 465.5  | 473.9  | 529.7  | 667.7  | 1052.9 | 2075.7 | 3317.3 | 4325.3 | 4318.3 | 4125.0 | 4123.8 |
| 72.5° | 315.9  | 318.5  | 333.2  | 395.4  | 595.8  | 1179.4 | 2446.8 | 3915.7 | 4446.7 | 4314.4 | 4293.9 |
| 75°   | 231.1  | 245.3  | 269.0  | 279.9  | 338.4  | 589.4  | 1402.2 | 2751.1 | 3747.5 | 3805.3 | 3665.3 |
| 77.5° | 172.1  | 172.7  | 205.4  | 218.3  | 241.4  | 314.0  | 593.3  | 1535.8 | 2326.8 | 2442.9 | 2179.0 |
| 80°   | 145.8  | 138.1  | 137.4  | 175.9  | 181.7  | 195.8  | 265.2  | 530.3  | 833.3  | 505.3  | 382.0  |
| 82.5° | 121.4  | 113.0  | 102.1  | 137.4  | 123.9  | 120.0  | 114.9  | 215.8  | 265.2  | 130.4  | 111.1  |
| 85°   | 84.8   | 80.9   | 77.1   | 89.9   | 70.6   | 60.4   | 55.2   | 100.8  | 111.7  | 55.2   | 48.8   |
| 87.5° | 36.6   | 37.9   | 38.5   | 39.8   | 29.5   | 21.2   | 21.2   | 28.3   | 28.3   | 21.8   | 16.1   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)